



## PJMBZ15V / PJMBZ27V

### DUAL TVS ZENER FOR ESD / TRANSIENT PROTECTION

This Dual Zener ESD/Transient Protector with a Common Cathode, Configuration has been designed to protect Sensitive Equipment against,ESD and prevent Latch-Up events.The combination of a dual device protects up to two data lines in a single package giving the advantage of board space savings where this is a premium.

**VOLTAGE** 12 / 22 Volts

**POWER** 150 Watts

SOT-23

Unit: inch ( mm )

#### FEATURES

- Working Peak Reverse Voltage of 12V and 22V
- Maximum Leakage Current of 100nA and 50nA @  $V_{RWM}$
- IEC61000-4-2 Compliance 15kV Air, 8kV Contact Discharge
- Industry Standard SOT-23 Package
- 

#### APPLICATIONS

- Data Transmission Line Ports
- Computer Monitor Interface Port Protection
- Portable Consumer Electronics
- Instrumentation Equipment

#### MECHANICAL DATA

- Case: SOT-23, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Apprx. Weight: 0.0003 ounce, 0.0084 gram

#### MAXIMUM RATINGS

PARAMETER	Symbol	Value	Units
Peak Pulse Power 8x20 $\mu$ sec Waveform	P <sub>PP</sub>	150	W
Peak Pulse Power 10x1000 $\mu$ sec		25	
ESD Voltage (HBM)	V <sub>ESD</sub>	>25	kV
Operating Temperature Range	T <sub>J</sub>	-55 to +125	°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150	°C
Lead Soldering Temperature (max 10 secs)	T <sub>L</sub>	260	°C

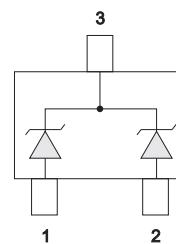


Fig.38